

BACHELOR OF ARTS (BA) DEGREE WITH A MAJOR IN MANAGERIAL ECONOMICS AND ORGANIZATIONAL SCIENCES

Program Learning Outcomes for the BA Degree with a Major in Managerial Economics and Organizational Sciences

Upon completing the BA Degree with a major in Managerial Economics and Organizational Sciences, students will be able to:

1. Evaluate critically the impact of organizational practices, markets, public policies and institutions, and politics on business outcomes.
2. Understand management as an interdisciplinary field and demonstrate the ability to use critical thinking to synthesize key knowledge, theories, and research across different disciplines.
3. Develop quantitative/statistical analysis and research skills in order to perform evidence-based analysis of business problems and proposals.
4. Demonstrate the ability to communicate analysis and research findings in written and oral formats.

Requirements for the BA Degree with a Major in Managerial Economics and Organizational Sciences

For general university requirements, see [Graduation Requirements \(https://ga.rice.edu/undergraduate-students/academic-policies-procedures/graduation-requirements/\)](https://ga.rice.edu/undergraduate-students/academic-policies-procedures/graduation-requirements/). Students pursuing the BA degree with a major in Managerial Economics and Organizational Sciences must complete:

- A minimum of 15 courses (46-50 credit hours, depending on course selection) to satisfy major requirements.
- A minimum of 120 credit hours to satisfy degree requirements.
- A minimum of 5 courses (15 credit hours) taken at the 300-level or above.
- A maximum of 5 courses (15 credit hours) from study abroad or transfer credit **after** matriculation at Rice may be applied towards specific major requirements. For additional departmental guidelines regarding transfer credit, see the [Policies](#) (p. 2) tab.
- A Capstone Requirement.

Summary

Code	Title	Credit Hours
Total Credit Hours Required for the Major in Managerial Economics and Organizational Sciences		46-50
Total Credit Hours Required for the BA Degree with a major in Managerial Economics and Organizational Sciences		120

Degree Requirements

Code	Title	Credit Hours
Mathematical and Statistical Foundations		
MATH 101 or MATH 105	SINGLE VARIABLE CALCULUS I AP/OTH CREDIT IN CALCULUS I	3
MATH 102 or MATH 106	SINGLE VARIABLE CALCULUS II AP/OTH CREDIT IN CALCULUS II	3
<i>Select 1 course from the following:</i>		3-4
SOSC 302	QUANTITATIVE ANALYSIS FOR THE SOCIAL SCIENCES	
STAT 305	INTRODUCTION TO STATISTICS FOR BIOSCIENCES	
STAT 310 / ECON 307	PROBABILITY AND STATISTICS	
STAT 315 / DSCI 301	PROBABILITY AND STATISTICS FOR DATA SCIENCE	
Core Requirements		
ECON 100	PRINCIPLES OF ECONOMICS	3
ECON 200	MICROECONOMICS	4
PSYC 101	INTRODUCTION TO PSYCHOLOGY	3
PSYC 231	INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY	3
SOSC 444 or SOSC 445	CONSULTING PRACTICUM FINANCE AND BANKING PRACTICUM	3
Elective Requirements		
Management, Economics, and Analytical Methods ²		
<i>Select 4 courses from the following:</i>		12-15
CMOR 360	INTRODUCTION TO OPERATIONS RESEARCH AND OPTIMIZATION	
ECON 209	APPLIED ECONOMETRICS	
ECON 300	GAME THEORY AND OTHER MICRO TOPICS FOR ECON MAJORS	
ECON 310 / STAT 376	ECONOMETRICS	
ECON 343 or BUSI 343	CORPORATE FINANCE ¹ FINANCIAL MANAGEMENT	
ECON 355	FINANCIAL MARKETS	
ECON 422	INTERNATIONAL ECONOMICS AND FINANCE	
ECON 435	INDUSTRIAL ORGANIZATION	
ECON 437 / ENST 437	ENERGY ECONOMICS	
ECON 445	MANAGERIAL ECONOMICS	
ECON 449 or STAT 449	PRINCIPLES OF FINANCIAL ENGINEERING ¹ QUANTITATIVE FINANCIAL RISK MANAGEMENT	
ECON 480 / ENST 480	ENVIRONMENTAL ECONOMICS	
SOCI 381	RESEARCH METHODS	
SOSC 303	QUALITATIVE METHODS IN THE SOCIAL SCIENCES	
STAT 405	R FOR DATA SCIENCE	
STAT 410	LINEAR REGRESSION	

STAT 411	ADVANCED STATISTICAL METHODS	
STAT 421	APPLIED TIME SERIES AND FORECASTING	
Social Sciences		
Select 2 courses from the following:		6
ECON 239	LAW AND ECONOMICS	
POLI 210	INTRODUCTION TO AMERICAN POLITICS	
POLI 335	POLITICAL ENVIRONMENT OF BUSINESS	
POLI 337	PUBLIC POLICY	
POLI 338 / SOSC 301	POLICY ANALYSIS	
PSYC 333	MULTICULTURAL PSYCHOLOGY	
PSYC 431	ADVANCED INDUSTRIAL/ ORGANIZATIONAL PSYCHOLOGY SEMINAR	
SOSC 464 / BUSI 464 / GLHT 464	SOCIAL ENTREPRENEURSHIP	
Capstone Requirement³		
MEOS 404	MANAGEMENT COMMUNICATIONS IN A CONSULTING SIMULATION	3
Total Credit Hours Required for the Major in Managerial Economics and Organizational Sciences		46-50
Additional Credit Hours to Complete Degree Requirements		39-43
University Graduation Requirements (https://ga.rice.edu/undergraduate-students/academic-policies-procedures/graduation-requirements/)		31
Total Credit Hours		120

Footnotes and Additional Information

* **Note:** University Graduation Requirements include 31 credit hours, comprised of Distribution Requirements (Groups I, II, and III), FWIS, and LPAP coursework. In some instances, courses satisfying FWIS or distribution requirements may additionally meet other requirements, such as the Analyzing Diversity (AD) requirement, or some of the student's declared major, minor, or certificate requirements. [Additional Credit Hours to Complete Degree Requirements](#) include general electives, coursework completed as upper-level, residency (hours taken at Rice), and/or any other additional academic program requirements.

¹ BUSI 343 may be substituted for ECON 343; STAT 449 may be substituted for ECON 449.

² Students may select up to 1 course (3 credit hours) from approved coursework outside departmental (ECON) course offerings to fulfill the Management, Economics, and Analytical Methods category within the Elective Requirements (see course list below).

³ In order to fulfill the Capstone Requirement, students must complete MEOS 404 in the senior year, after completing at least half of the major requirements.

Approved Electives

Up to 1 course (3 credit hours) from outside departmental (ECON) course offerings may be chosen to fulfill the Management, Economics, and Analytical Methods category within the Elective Requirements.

Code	Title	Credit Hours
Approved Electives outside Economics (ECON)		
BUSI 374	OPERATIONS MANAGEMENT	3
BUSI 390	STRATEGIC MANAGEMENT	3
BUSI 420	LEADERSHIP AND TEAMS	3
BUSI 422	NEGOTIATIONS AND DECISION MAKING	3
BUSI 431	ADVANCED STRATEGIC MANAGEMENT	3

Policies for the BA Degree with a Major in Managerial Economics and Organizational Sciences

Program Restrictions and Exclusions

Students pursuing the major in Managerial Economics and Organizational Sciences should be aware of the following program restrictions:

- Students pursuing the major in Managerial Economics and Organizational Sciences may not additionally declare the major in Economics.
- Students pursuing the major in Managerial Economics and Organizational Sciences may not additionally declare the major in Mathematical Economic Analysis.

Transfer Credit

For Rice University's policy regarding transfer credit, see [Transfer Credit \(https://ga.rice.edu/undergraduate-students/academic-policies-procedures/transfer-credit/\)](https://ga.rice.edu/undergraduate-students/academic-policies-procedures/transfer-credit/). Some departments and programs have additional restrictions on transfer credit. Requests for transfer credit must be approved for Rice equivalency by the designated transfer credit advisor for the appropriate academic department offering the Rice equivalent course (corresponding to the subject code of the course content). The Office of Academic Advising maintains the university's official list of [transfer credit advisors \(https://oaa.rice.edu/advising-network/transfer-credit-advisors/\)](https://oaa.rice.edu/advising-network/transfer-credit-advisors/) on their website: <https://oaa.rice.edu>. Students are encouraged to meet with the applicable transfer credit advisor as well as their academic program director when considering transfer credit possibilities.

Program Transfer Credit Guidelines

Students pursuing the major in Managerial Economics and Organizational Sciences should be aware of the following program-specific transfer credit guidelines:

- Students seeking transfer credit should contact the appropriate department with requests for approval (i.e. transfer credit requests for PSYC courses must be approved as equivalents by the Psychological Sciences department).
- No more than 5 courses (15 credit hours) of transfer credit from U.S. or international universities of similar standing as Rice may apply towards specific major requirements **after** matriculation at Rice.

Please Note: Additional transfer courses may count toward meeting university graduation requirements, but not toward fulfillment of requirements for the major. Credits awarded to transfer students for courses taken **prior** to matriculation at Rice are not counted against the departmental limit on transfer courses, but all students must complete

more than half of their upper-level major coursework (300-level and 400-level courses) at Rice.

Additional Information

For additional information, please see the Managerial Economics and Organizational Sciences website: <https://economics.rice.edu/>.

Opportunities for the BA Degree with a Major in Managerial Economics and Organizational Sciences

Academic Honors

The university recognizes academic excellence achieved over an undergraduate's academic history at Rice. For information on university honors, please see [Latin Honors \(https://ga.rice.edu/undergraduate-students/honors-distinctions/university/\)](https://ga.rice.edu/undergraduate-students/honors-distinctions/university/) (*summa cum laude*, *magna cum laude*, and *cum laude*) and [Distinction in Research and Creative Work \(https://ga.rice.edu/undergraduate-students/honors-distinctions/university/\)](https://ga.rice.edu/undergraduate-students/honors-distinctions/university/). Some departments have department-specific Honors awards or designations.

Additional Information

For additional information, please see the Managerial Economics and Organizational Sciences website: <https://economics.rice.edu/>.